AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

HALIM HOURANI, OBSERVER

LIBRARY
JAN 22 1960
WEATHER BUREAU

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

June 1959

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JUNE 1959

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.4	56.2	57.0	56.5	29.9	22.0	27.9	26.8	23.5	26.1
2	57.4	57.1	57.0	57.2	27.7	20.6	25.2	26.4	22.0	24.5
3	56.7	57.2	57.9	57.3	25.8	19.2	21.8	24.2	21.0	22.3
4	57.3	57.3	58.1	57.6	25.7	19.0	22.4	25.4	21.0	22.9
5	59.1	59.8	60.5	59.8	26.5	18.9	23.7	24.8	21.4	23.3
6	60.9	61.0	60.8	60.9	26.7	19.5	23.8	26.2	20.3	23.4
7	61.5	62.4	62.4	62.1	27.8	19.0	24.6	26.5	20.9	24.0
8	62.7	62.7	61.6	62.3	27.4	20.0	24.5	25.9	21.5	24.0
9	60.8	60.2	59.7	60.2	28.9	21.7	25.7	28.0	23.0	25.6
10	58.9	58.7	58.2	58.6	31.8	24.0	27.8	30.4	24.9	27.7
11	56.4	56.3	57.7	56.8	30.4	22.3	26.3	29.0	25.5	26.9
12	60.6	61.2	61.6	61.1	29.0	21.4	26.0	26.5	23.1	25.2
13	62.6	62.7	62.1	62.5	29.6	20.5	27.2	28.5	23.0	26.2
14	61.0	60.2	59.9	60.4	27.8	20.5	25.0	27.1	22.5	24.9
15	59.6	59.2	59.5	59.4	28 4	21.5	24.6	27.4	22.9	25.0
16	59.2	59.5	60.5	59.7	29.2	20.1	25.5	28.8	22.8	25.7
17	61.4	61.1	60.9	61.1	28.7	22.0	24.6	28.2	23.1	25.3
18	60.1	59.0	58.2	59.1	28.9	21.7	26.5	28.0	23.2	25.9
19	57.4	56.7	55.8	56.6	30.2	23.2	26.4	29.0	24.3	26.6
20	55.9	56.2	56.6	56.2	31.7	22.3	28.5	30.5	25.0	28.0
21	57.4	58.1	58.4	58.0	30.9	22.2	27.1	29.7	24.0	26.9
22	58.6	58.4	58.2	58.4	29.3	21.8	26.3	28.2	23.2	25.9
23	57.0	56.6	56.3	56.6	29.5	22.1	25.6	28.8	23.6	26.0
24	56.4	55.4	55.3	55.7	30.1	21.8	26.0	29.1	24.1	26.4
25	55.9	55.8	55.8	55.8	29.5	21.6	26.1	28.8	23.6	26.2
26	56.0	56.3	55.7	56.0	29.4	21.7	26.4	28.0	23.6	26.0
27	55.7	54.7	54.7	55.0	29.3	22.7	26.2	29.0	24.5	26.6
28	53.6	53.2	52.5	53.1	30.0	22.2	26.7	29.4	24.4	26.8
29	52.8	53.2	54.3	53.4	30.0	22.5	27.0	29.7	24.8	27.2
30	55.9	56.7	57.1	56.6	29.5	22.3	26.7	29.1	23.9	26.6
31										
	58.17	58.10	58.14	58.13	28.99	21.34	25.74	27.91	23.15	25.60

Barometer, range for month 762.7mm. — 752.5 mm.
„ 71-yr. average for month 757.92mm.
Thermometer, range for month 31.8°C — 18.9°C
„ 82-yr. average for month 24.9°C
Rain total for month 4.90 mm.
„ 82-yr average for month 3.3 mm.
„ Total, Sept. 1st. to end of month 647.21 mm.
„ 82-yr average. Sept. 1st. to end of month 892.03 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	19.5	24.2	23.6	22.4	52	68	81	67	7.1	283	
2	21.9	21.4	18.4	20.6	68	62	70	67	12.3	346	
3	16.4	16.9	16.4	16.6	63	56	66	62	7.0	275	
4	18.4	17.7	16.4	17.5	68	54	66	63	9.7	208	4.90
5	16.7	19.5	19.2	18.5	57	63	74	65	11.0	192	
6	18.1	20.2	18.8	19.0	62	59	79	67	12.2	130	
7	17.5	20.6	19.2	19.1	57	59	77	64	12.5	64	
8	19.6	20.2	18.5	19.4	64	61	72	66	11.5	50	
9	22.0	23.4	22.4	22.6	66	62	79	69	9.5	43	
10	17.5	15.3	21.0	17.9	47	36	68	50	7.0	39	
11	23.8	26.3	23.6	24.6	68	66	72	69	7.6	108	
12	23.7	23.6	23.1	23.5	71	67	82	73	10.7	74	
13	23.7	22.8	22.4	23.0	66	58	79	68	12.8	87	
14	21.6	22.0	21.5	21.7	68	61	78	69	12.9	103	
15	19.7	21.0	22.4	21.0	64	57	80	67	11.6	116	
16	25.4	22.7	20.2	22.8	78	62	72	71	12.9	251	
17	18.8	21.4	21.2	20.5	62	56	75	64	12.9	140	
18	21.6	23.0	23.4	22.7	62	61	82	68	11.8	116	
19	24.8	26.8	27.7	26.4	72	67	92	77	12.6	158	
20	24.3	25.2	26.5	25.3	62	57	84	68	11.0	90	
21	25 5	26.5	24.4	25.5	71	64	82	72	12.2	137	
22	22.7	23.4	23.1	23.1	66	61	81	69	12.5	89	
23	23.6	24.4	24.8	24.3	72	62	85	73	12.7	121	
24	25.2	26.0	26.1	25 8	75	64	87	75	12.3	129	
25	23.4	23.3	22.6	23.1	69	59	78	69	12.4	127	
26	20.9	21.5	21.4	21.3	61	57	74	64	10.7	109	
27	21.1	23.4	24.2	22.9	62	59	79	67	12.3	113	
28	23.9	25.6	24.6	24.7	68	62	80	70	11.4	116	
29	21.4	27.1	25.5	24.7	60	65	81	69	12.6	241	
30	23.9	23.9	23.7	23.8	68	59	80	69	12.3	143	
31											
	21.55	22.64	22.21	22.21	65.0	60.1	77.8	67.7	11.27	139.93	0.17

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	2ci-st	10ci-st	9ci-st	7.0	4sw	4sw	3sw	light	
2	0	7cu-st	1ci-cu	2.7	4sw	3sw	2sw	,,	
3	10cu-st	7cu-st	2cu-st	6.3	4sw	4sw	3sw	slight	Tr.p.m
4	10cu-st	4cu-st	3cu-st	5.7	3sw	3sw	3sw	light	
5	7cu-st	5cu-st	5cu-st	5.7	4sw	3sw	2w	,,	
6	0	0	0	0.0	3sw	2sw	1ne	light	D. p.m
7	0	0	0	0.0	1sw	2nw	1nw	,,	
8	0	0	0	0.0	2n	2w	1e	,,	
9	0	0	0	0.0	2n	2ne	1ne	,,	H.p.m
10	1ci	3ci-st	0	1.3	2sw	2w	2e	calm	
11	10ci	0	0	3.3	2ne	2ne	1e	light	
12	0	0	0	0.0	2sw	2w	1n	,,	
13	0	0	0	0.0	2nw	3ne	1ne	,,	
14	1ci	0	0	0.3	2w	3w	3sw	,,	
15	0	0	0	0.0	2sw	3sw	1s	,,	
16	5st	0	0	1.7	3sw	3sw	3sw	light	
17	1cu	0	9st	3.3	2sw	3w	1sw	,,	
18	5cu-st	0	0	1.7	2n	2ne	2ne	,,	
19	0	0	0	0.0	2w	4n	2ne	,,	D.p.m
20	0	0	0	0.0	2ne	1ne	2sw	,,	Good Visibility p.m
21	0	0	0	0.0	3w	2w	1nw	light	
22	0	0	0	0.0	3sw	3w	1w	,,	
23	0	0	5cu	1.7	3sw	3sw	2nw	,,	
24	4st	2st	0	2.0	3sw	3w	2w	,,	
25	2cu-st	0	0	0.7	2sw	2w	2sw	,,	
26	0	10ci-st	3cu-ci	4.3	2sw	3w	2w	light	
27	1cu	0	8	3.0	3sw	3sw	1sw	,,	
28	1ci	0	1ci	0.7	1sw	1w	2sw	,,	
29	0	1cu	0	0.3	3sw	3sw	2sw	,,	
30	0	4ci	0	1.3	3sw	3w	1nw	,,	
31									
	mean			1.77					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	3	0	0	2	0	21	3	1	0	30
14:30	1	5	0	0	0	11	12	1	0	30
20:30	1	5	3	0	1	12	4	4	0	30
Total	5	10	3	2	1	44	19	6	0	90

Number of days with rain 1, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 0.79
Time of reading minus 2 hours equals G.C.T